



A MEMO TO THE SORA COMMUNITY

JANUARY 2024

This document accompanies the invoice sent to SORA for the services provided by SORAMITSU.

January 2024 was an incredible month of accomplishments. The SORA Integrated Plan continues to be the roadmap for the SORA network development pipeline, and the progress rate has steadily advanced.

This memo will provide a perspective on the activities for each track, a description of the development activities specific to this month, and the total amount of hours presented in invoice number 205053 served by Soramitsu Helvetia to the SORA Community.

1 SORA (Substrate) – 4,770hrs

This month's work is spread across the [Substrate bridge](#), [Orderbook implementation](#), [ALT Technology](#), [documentation](#), and [Kensetsu](#).

On the Substrate bridge front, there are two areas of focus; on one hand, the bridge connecting the SORA Polkadot parachain was implemented, and additional work was carried out to adjust the bridge for compatibility with Polkadot tokenomics. On the other side, work on the bridge to a non-parachain Substrate network was carried out, in collaboration with the network's team to prepare for public testing.

The Order book is almost ready, and Market Makers are being onboarded ahead of the mainnet launch. Support was provided for developing a front-end UI on the client application.

The first iteration of the Kensetsu platform is nearing completion, with work this month mainly focusing on an intuitive user experience. Research on risks and mitigation strategies, focusing on avoiding cascading liquidation, is ongoing.

Work on implementing Aggregate Liquidity Technology is ongoing. Technical debt is being addressed to enable easy integration of new liquidity sources into the smart swap algorithm – first in line the upcoming Orderbook liquidity source, and XYK and XST liquidity sources initialisation mechanism is under active development.

Opening HRMP channels to other Substrate networks has been a focus this month. Moonbeam Alphanet testing is in progress, while channel opening to Acala (Polkadot), Karura (Kusama), and Astar has progressed community governance and is undergoing testing at different stages.

A network-wide issue regarding Kusama token transfer caused by the recent runtime upgrade is being addressed, and the impact on the SORA Kusama parachain is being investigated.

Finally, ongoing project management activities include SORA Governance and Technical committee support, quality assurance ops and development support to external teams building on the SORA network.

On the mobile side, two releases were worked on this month:

- **3.8.1 Released.** Introduces Demeter Farm management, with staking/unstaking liquidity and claiming liquidity mining rewards now possible.
- **3.8.2 In Progress.** This version provides fixes and improvements for the features released in 3.8.1 and introduces the history of ADAR and bridge transactions and KYC improvements for SORA Card.

As well as project management activities, systems analysis, UI/UX improvements and quality assurance.

1.1 SORA Backend

- Order book:
 - Synchronizing with the market makers for the launch on production;
 - Supporting front-end team for implementation of UI.
- Kensetsu:
 - Synchronizing with the Product Design and front-end teams to ensure the implementation is user-oriented;
 - Research risks and mitigation strategies for the platform (cascading liquidation mechanism).
- Aggregate Liquidity Technology (ALT):
 - Working on the technical debt;
 - Working on the initialisation of liquidity sources (XYK, XST).
- Substrate bridge to sovereign state:
 - Adapting the implementation of the Substrate bridge to the Kusama parachain to connect to a non-parachain Substrate-based network;
 - Synchronization with the sovereign state's team to release the implementation for public testing.
- HRMP channels:
 - Testing transfers between SORA and Moonbeam;
 - Setting up transfers with Acala, Astar, AssetHub;
 - Synchronization with other parachain teams interested in setting up HRMP channels with SORA.
- Update of the PolkadotSDK to version 1.1.0;
- Investigation of the Kusama issue and impact on Substrate bridge to SORA Kusama parachain;

- Verification and testing of tokenomics implementation (TBCD, VAL);
- Codebase maintenance, cleaning, and optimisation;
- Collaboration and research on blockchain architecture for central banks powered by SORA;
- Project management activities (daily meetings, planning, retrospectives);
- Quality Assurance and testing activities, development of automated tests.

1.2 Mobile App

- Implemented and released version 3.8.1 – Demeter Farming: Phase 2
 - Stake / Unstake your liquidity on Demeter farms
 - Claim your rewards accumulated from staking liquidity on farms
- Implemented version 3.8.2
 - Fixes and improvements for version 3.8.1
 - Adding transaction history for transactions from ADAR
 - Adding transaction history for bridge transactions
 - Update of partners' SDK (SORA Card)
 - Improvement of KYC flow (SORA Card)
- Project management activities (daily meetings, planning, retrospectives);
- Product Design activities;
- QA and testing activities;
- Communicated and synchronized with external partners for SORA Card: Phase 2;
- Preparation of scope, business and technical requirements for SORA Card: Phase 3.

2 Substrate (PSWAP) - 955 hrs

Polkaswap has received a substantial amount of ongoing improvements, including:

- Orderbook user interface (new features, bug fixes);
- Explore page: Orderbook section implementation (UI, Subquery and Subsquid data availability in progress);
- Trade page: new views, full customization;
- Added trading volume for single tokens (charts on Swap & Trade pages, Subquery and Subsquid data availability in progress);
- XOR native staking enhancements (redeem flow, UX optimisation);
- A SORA Card maintenance page has been added for future work-in-progress tasks;
- Kensetsu TypeScript API preparation;
- Hashi Bridge improvements:
 - Improved HASHI Substrate bridge to Kusama (addressing Kusama's fee-related and network connection issues);
 - SORA to Polkadot network support for DOT tokens;
 - SORA to SORA Polkadot parachain network support for XOR tokens;
 - New network support;
- Quality of life improvements such as:
 - Added a 6M (6 months) filter for the Polkaswap stats page
 - Improved routing for the SORA staking page;
 - Corrected staking balance formatting;
 - Improved zh_CN translation strings;
- Product Design activities;
- Project management activities (daily meetings, planning, retrospectives);
- Quality Assurance and testing activities.

3 DevOps and Security - 473 hrs

The work done this month by DevOps covers the SORA network as well as its underlying infrastructure. Here are more details:

3.1 SORA Blockchain

- New alerting rules for:
 - Bridges
 - Network suspicious activity
- Enhanced Bridge security bot
- Improved CI/CD pipeline
- Improve CI/CD for the Liberland environment
- Improved Subsquid and Subquery alerting system
- Deployed Polkadot parachain environment
- In progress:
 - 95% Alphanet parachain dev environment
 - 80% Trivy reports integration to DefectDojo

3.2 Parachain

- Improved CI/CD pipeline
- SAST config improved
- A new version has been released and deployed

3.3 Polkaswap

- Improved CI/CD pipeline
 - New alert rules
 - New automation scripts
- Working on fault tolerance

3.4 Mobile Clients

- Updated CI/CD pipeline
 - New autotests
 - Library improved
- New SAST implemented for Kotlin
- New SAST reports integrated to DefectDojo

3.5 SORA Card

- Improved CI/CD
- Working on Infrastructure hardening

4 Education – 785 hr

Educational operations this month included:

4.1 SORA

- Ecosystem Update;
- Documenting business description and technical implementation for the initiatives (Order book);
- Ongoing wiki Improvements;
- Daily social media posts (covering key features, testnet/mainnet releases, highlighting USPs, and entertainment);
- SORA Demeter Farming Mobile release communications;
- Product-Marketing collaboration on the marketing campaign for the Order book;
- Relationship management with parachain teams to open HRMP channels;
- Continuous maintenance and documentation of the implementation and vision of SORA in the wiki;
- Discussions with potential partners to integrate their services into the SORA wallet and integrate SORA DeFi services into their product;
- Continuous maintenance and documentation of the implementation and vision of SORA in the wiki;
- SORA evangelisation at industry events and conferences.

4.2 Polkaswap

- Ecosystem Update;
 - Daily social media posts (covering key features, testnet/mainnet releases, highlighting USPs, and entertainment);
 - Orderbook launch preparation;
 - SORA Polkadot Substrate bridge communications;
 - Bridge to a sovereign government education campaign preparation.
-
- Attending high-impact in-person events and business to government (B2G) expenses.

5 Total Hours – 6,983 hr

Additionally, invoice 205052, attached, pertains to cloud server costs for January 2024.

All SORA Ecosystem Memo payments provide collateral to the Token Bonding Curve.

Your ongoing support is greatly appreciated, and we look forward to continuing to serve you.

Sincerely,

SORAMITSU Helvetia AG

Supporting concept updates are presented in the SORA Ecosystem Updates published on [January 29](#) and Polkaswap updates published on [January 29](#) present supporting concept updates.

SORAMITSU Helvetia AG
c/o Diego Compostella
Oberneuhofstrasse 5, 6341 Baar
Switzerland

E-mail: billing@soramitsu.co.jp



Invoice

Invoice for SORA.org	Payable to SORAMITSU Helvetia AG	Issue Date 9 February 2024	Invoice Number 205052
	Project Cloud Service Provider Cost for January 2024	Due Date 16 February 2024	

Description	Amount (USD)
Cloud Service Provider Cost for January 2024	11,990.00

Subtotal	\$11,990.00
Tax	0,00

Total Amount Due **USD \$11,990.00**

* Payment can be made in equivalent TBCD, at the market rate.

Wallet Address (TBCD): **cnW5AsJM5rjbIow8TsJYChMcT7RCCqZRGy8Pa8WKrKPokkWG3**

Thank you very much for your business. We are looking forward to serving you again.

SORAMITSU Helvetia AG
c/o Diego Compostella
Oberneuhofstrasse 5, 6341 Baar
Switzerland

E-mail: billing@soramitsu.co.jp



Invoice

Invoice for SORA.org	Payable to SORAMITSU Helvetia AG	Issue Date 9 February 2024	Invoice Number 205053
	Project Development Cost for January 2024	Due Date 16 February 2024	

Description	Quantity (Work-Hours)	Unit Price (USD)	Amount (USD)
SORA (Backend, Mobile Apps)	4,770	369.00	1,760,130.00
Polkaswap (Backend, Frontend)	955	369.00	352,395.00
DevOps and Security Review	473	369.00	174,537.00
Education	785	369.00	289,665.00
Subtotal	6,983.00	\$369.00	\$2,576,727.00

	Subtotal	\$2,576,727.00
	Tax	\$0.00

Amount Due	USD \$2,576,727.00
Grand Total Due (Invoice 205052 & 205053)	USD \$2,588,717.00

** Payment can be made in equivalent TBCD, at the market rate.*

Wallet Address (TBCD): **cnW5AsJM5rjbIow8TsJYChMcT7RCcQZRGy8Pa8WKrKPokkWG3**

Thank you very much for your business. We are looking forward to serving you again.



SORAMITSU Co. Ltd.

Link Square Shinjuku 16F,
5-27-5, Sendagaya,
Shibuya-ku, Tokyo,
Japan, 151-0051

info@soramitsu.co.jp
soramitsu.co.jp